

Figure 1a

hAMGEN2520-59 Coding region and amino acid sequence.

Seq ID NO:

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      10      20      30      40      50      60
1 ATGCGAGCCACCCCTCTGGCTGCTCCTGCGGGTTCCCTGTCCAGGAAGAAGCGGTTGGAG
2 M R A T P L A A P A G S L S R K K R L E
      70      80      90     100     110     120
   TTGGATGACAACTTAGATACCGAGCGTCCCGTCCAGAAACGAGCTCGAAGTGGGCCCCAG
   L D D N L D T E R P V Q K R A R S G P Q
      130     140     150     160     170     180
   CCCAGACTGCCCCCTGCCTGTTGCCCTGAGCCACCTACTGCTCCAGATCGTGCAACT
   P R L P P C L L P L S P P T A P D R A T
      190     200     210     220     230     240
   GCTGTGGCCACTGCCTCCCGTCTTGGGCCCTATGTCCTCCTGGAGCCCGAGGAGGGCGGG
   A V A T A S R L G P Y V L L E P E E G G
      250     260     270     280     290     300
   CGGGCCTACCGGGCCCTGCACTGCCCTACAGGCACTGAGTATACCTGCAAGGTGTACCCC
   R A Y R A L H C P T G T E Y T C K V Y P
      310     320     330     340     350     360
   GTCCAGGAAGCCCTGGCCGTGCTGGAGCCCTACGCGCGGCTGCCCCCGCACAAAGCATGTG
   V Q E A L A V L E P Y A R L P P H K H V
      370     380     390     400     410     420
   GCTCGGCCCACTGAGGTCCTGGCTGGTACCCAGCTCCTCTACGCCTTTTTCACTCGGACC
   A R P T E V L A G T Q L L Y A F F T R T
      430     440     450     460     470     480
   CATGGGGACATGCACAGCCTGGTGCGAAGCCGCCACCGTATCCCTGAGCCTGAGGCTGCC
   H G D M H S L V R S R H R I P E P E A A
      490     500     510     520     530     540
   GTGCTCTTCCGCCAGATGGCCACCGCCCTGGCGCACTGTCACCAGCACGGTCTGGTCCTG
   V L F R Q M A T A L A H C H Q H G L V L
      550     560     570     580     590     600
   CGTGATCTCAAGCTGTGTGCTGCTTTGTCTTCGCTGACCGTGAGAGGAAGAAGCTGGTGCTG
   R D L K L C R F V F A D R E R K K L V L
      610     620     630     640     650     660
   GAGAACCTGGAGGACTCCTGCGTGCTGACTGGGCCAGATGATTCCCTGTGGGACAAGCAC
   E N L E D S C V L T G P D D S L W D K H
      670     680     690     700     710     720
   GCGTGCCCAGCCTACGTGGGACCTGAGATACTCAGCTCACGGGCCTCATACTCGGGCAAG
   A C P A Y V G P E I L S S R A S Y S G K
      730     740     750     760     770     780
   GCAGCCGATGTCTGGAGCCTGGGCGTGGCGCTCTTCACCATGCTGGCCGGGCACTACCCC
   A A D V W S L G V A L F T M L A G H Y P
      790     800     810     820     830     840
   TTCCAGGACTCGGAGCCTGTCCTGCTCTTCGGCAAGATCCGCCGCGGGGCCTACGCCTTG
   F Q D S E P V L L F G K I R R G A Y A L
      850     860     870     880     890     900
   CCTGCAGGCCTCTCGGCCCCTGCCCCTGTCTGGTTTCGCTGCCTCCTTCGTCGGGAGCCA
   P A G L S A P A R C L V R C L L R R E P
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Figure 1b

hAMGEN2520-59 Coding region and amino acid sequence
(continued).

Seq ID NO:

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          910          920          930          940          950          960
1  GCTGAACGGCTCACAGCCACAGGCATCCTCCTGCACCCCTGGCTGCGACAGGACCCGATG
2  A  E  R  L  T  A  T  G  I  L  L  H  P  W  L  R  Q  D  P  M
          970          980          990          1000          1010          1020
   CCCTTAGCCCCAACCCGATCCCATCTCTGGGAGGCTGCCCAGGTGGTCCCTGATGGACTG
   P  L  A  P  T  R  S  H  L  W  E  A  A  Q  V  V  P  D  G  L
          1030          1040          1050          1060          1070
   GGGCTGACGAAGCCAGGGAAGAGGAGGGAGACAGAGAAGTGGTTCTGTATGGCTAG
   G  L  D  E  A  R  E  E  E  G  D  R  E  V  V  L  Y  G
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Figure 2a

2520-59	1	50
Genbank BAB15597	(1)	-----
Patented Seq: NO 1367	(1)	-----
Patented SEQ ID NO:1102	(1)	LRFASPGAGRARDSQKWRRLRARPLLPGQGSWAGIPSSAAAQRAG
JJ503-KS	(1)	-----
Consensus	(1)	-----GQGSWAGIPSSAAAQRAG
2520-59	51	100
Genbank BAB15597	(1)	-----MRATPLAAPAGSLSRKKRLELDDNLDLT
Patented Seq: NO 1367	(1)	-----MRATPLAAPAGSLSRKKRLELDDNLDLT
Patented SEQ ID NO:1102	(51)	PPAGALEALSPGGARAHAEERRGEMRATPLAAPAGSLSRKKRLELDDNLDLT
JJ503-KS	(20)	PPAGALEALSPGGARAHAEERRGEMRATPLAAPAGSLSRKKRLELDDNLDLT
Consensus	(51)	MRATPLAAPAGSLSRKKRLELDDNLDLT
2520-59	101	150
Genbank BAB15597	(28)	ERPVKRARSQPPRLPPCLLPLSPPTAPDRATAVATASRLGPYVLLLEPE
Patented Seq: NO 1367	(28)	ERPVKRARSQPPRLPPCLLPLSPPTAPDRATAVATASRLGPYVLLLEPE
Patented SEQ ID NO:1102	(101)	ERPVKRARSQPPRLPPCLLPLSPPTAPDRATAVXTXSRXXXVLLLEAR
JJ503-KS	(1)	-----
Consensus	(70)	ERPVKRARSQPPRLPPCLLPLSPPTAPDRATAVATASRLGPYVLLLEPE
	(101)	ERPVKRARSQPPRLPPCLLPLSPPTAPDRATAVATASRLGPYVLLLEPE

Figure 2b

2520-59	(78)	151	EGGRAYRALHCPTGTEYTKVYPVQ	200
Genbank BAB15597	(78)		EGGRAYQALHCPTGTEYTKVYPVQ	200
Patented Seq: NO 1367	(151)		EGGRAYQALHCPTGTEYTKVYPVQ	200
Patented SEQ ID NO:1102	(1)		EGGRAYQALHCPTGTEYTKVYPVQ	200
JJ503-KS	(120)		EGGRAYQALHCPTGTEYTKVYPVQ	200
Consensus	(151)		EGGRAYQALHCPTGTEYTKVYPVQ	200
2520-59	(128)	201	AGTQLLYAFFTRTHGDMHSLVRSRHR	250
Genbank BAB15597	(128)		AGTQLLYAFFTRTHGDMHSLVRSRHR	250
Patented Seq: NO 1367	(154)		AGTQLLYAFFTRTHGDMHSLVRSRHR	250
Patented SEQ ID NO:1102	(3)		AGTQLLYAFFTRTHGDMHSLVRSRHR	250
JJ503-KS	(170)		AGTQLLYAFFTRTHGDMHSLVRSRHR	250
Consensus	(201)		AGTQLLYAFFTRTHGDMHSLVRSRHR	250
2520-59	(178)	251	LVLRLDLKCRFVFADRRERKKLVLEN	300
Genbank BAB15597	(178)		LVLRLDLKCRFVFADRRERKKLVLEN	300
Patented Seq: NO 1367	(154)		LVLRLDLKCRFVFADRRERKKLVLEN	300
Patented SEQ ID NO:1102	(53)		LVLRLDLKCRFVFADRRERKKLVLEN	300
JJ503-KS	(220)		LVLRLDLKCRFVFADRRERKKLVLEN	300
Consensus	(251)		LVLRLDLKCRFVFADRRERKKLVLEN	300
2520-59	(228)	301	PEILSSRASYSGKAADVWSLGLVALFT	350
Genbank BAB15597	(228)		PEILSSRASYSGKAADVWSLGLVALFT	350
Patented Seq: NO 1367	(154)		PEILSSRASYSGKAADVWSLGLVALFT	350
Patented SEQ ID NO:1102	(103)		PEILSSRASYSGKAADVWSLGLVALFT	350
JJ503-KS	(270)		PEILSSRASYSGKAADVWSLGLVALFT	350
Consensus	(301)		PEILSSRASYSGKAADVWSLGLVALFT	350

Figure 2c

2520-59	(278)	351	400
Genbank BAB15597	(278)	YALPAGLSAPARCLVRCLLRREPAERLTATGILLHPWLRQDPMPLAPTRS	
Patented Seq: NO 1367	(154)	YALPAGLSAPARCLVRCLLRREPAERLTATGILLHPWLRQDPMPLAPTRS	
Patented SEQ ID NO:1102	(153)	YALPAGLSAPARCLVRCLLRREPAERLTATGILLHPWLRQDPMPLAPTRS	
JJ503-KS	(320)	YALPAGLSAPARCLVRCLLRREPAERLTATGILLHPWLRQDPMPLAPTRS	
Consensus	(351)	YALPAGLSAPARCLVRCLLRREPAERLTATGILLHPWLRQDPMPLAPTRS	
		401	431
2520-59	(328)	HLWEAAQVVPDGLGLDEAREEEEGDREVVLVYG	
Genbank BAB15597	(328)	HLWEAAQVVPDGLGLDEAREEEEGDREVVLVYG	
Patented Seq: NO 1367	(154)	HLWEAAQVVPDGLGLDEAREEEEGDREVVLVYG	
Patented SEQ ID NO:1102	(203)	HLWEAAQVVPDGLGLDEAREEEEGDREVVLVYG	
JJ503-KS	(361)	HLWEAAQVVPDGLGLDEAREEEEGDREVVLVYG	
Consensus	(401)	HLWEAAQVVPDGLGLDEAREEEEGDREVVLVYG	